FACILITY STATUS CHANGE FORM

Date Submitted:	Area:	Control #:
August 8, 2013	300 Area	D4-300-091
Originator:	**Facility ID:**	
Chris Strand	3701D	
Phone:	**Action Memorandum:**	
554-2720	Action Memorandum #3	

This form documents agreement among the parties listed below on the status of the facility D&D operations and the disposition of underlying soil in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

☒ All D4 operations required by action memo complete.

☐ D4 operations required by action memo partially complete, remaining operations deferred.

Description of Completed Activities and Current Conditions:
Deactivation: Utility isolations were completed on the facilities prior to demolition.

Decontamination and Decommissioning: The only hazardous materials removed from the 3701D basement consisted of asbestos. Asbestos was removed by certified asbestos workers.

Demolition of the above structure was performed in 1995 prior to the River Corridor Contract. Below-grade demolition was completed in August of 2013. The debris was removed and disposed of at ERDF.

Description of Deferral (as applicable):
None.

Section 2: Underlying Soil Status

☐ No waste site(s) present. No additional actions anticipated.

☒ Documented waste site(s) present. Cleanup and closeout to be addressed under Record of Decision.

☐ Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned.

Cleanup and closeout to be addressed under Record of Decision.

Description of Current/As-Left Conditions:
The excavation was backfilled with clean material following radiological surveys. No radiological or Industrial Hygiene postings remain.

Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):
The UPR-300-4 excavation lies immediately west of 3701D.
300-15; process sewer segments remain in the area.

Section 3: List of Attachments

1. Facility Information (building history and characterization).
2. Project photographs.
3. Radiological Survey Record.
4. EPA Concurrence to leave the 3701D basement in place.

FACILITY STATUS CHANGE FORM

DOE-RL	Date 8/12/13
Lead Regulator ☒ EPA ☐ Ecology	Date Aug 13, 2013

DISTRIBUTION:

EPA: Larry Gadbois, B1-46
Ecology: Rick Bond, HO-57
DOE: Rudy Guercia, A3-04
Document Control, H4-11
Administrative Record, H6-08 (300-FF-2 OU)

SIS Coordinator: Ben Cowin, H4-22
D4 EPL: Chris Strand, L4-45
Sample Design/Cleanup Verification:Theresa Howell, H4-23
FR Engineering: Eric Ison, L1-13
FR EPL: Chris Strand, L4-45

Attachment 1: Facility Information

3701D Building History

The 3701-D building was located between Idaho Street and Wisconsin Avenue, west of the 326 building, and was constructed in 1979 as a single-story structure with a basement. The building provided a headquarters for the Hanford patrol, the Security Operations Center (SOC), and the Emergency Control Center for emergency situations in the 300/400 Areas.

3701D included a full basement with a weapons vault that were constructed of reinforced concrete. The building had a flat metal deck roof was built-up asphalt and gravel finish with rigid insulation. In 1989, an addition was attached to the south side of the building for use as an emergency control center. It was an underground structure built at the level of the 3701-D basement with reinforced concrete walls.

Utilities to the 3701-D building were disconnected in 2005, and the facility was demolished shortly thereafter. Below-grade demolition was completed in August 2013 and included removing the first floor and basement walls to three feet below grade. The balance of the basement was cleaned of debris, radiologically surveyed, down-posted, and backfilled in place with clean material.

3701D Basement Characterization:

Table 1. Summary of Characterization Surveys of the 3701D Basement

Type	Date	Documented In	Results Summary
Asbestos	April 1, 2013	CCN 170638	Friable, Category I, and II materials present in the form of fire doors, gaskets, and floor tile.
IH Surveys and Beryllium Characterization	January 24, 2013 July 11, 2013	BFA-3701D-13-001 IHEA-3701D-13-001, Rev. 1	Building determined to be Be free prior to demolition. All other contaminants of concern below action levels.
Radiological Surveys	March 16, 2013	RSR-300PS-13-1008	No radiological contamination identified.

Identification of Document Waste Sites:

The UPR-300-4 excavation lies immediately west of 3701D.

300-15 (process sewer) piping segments remain in the area.

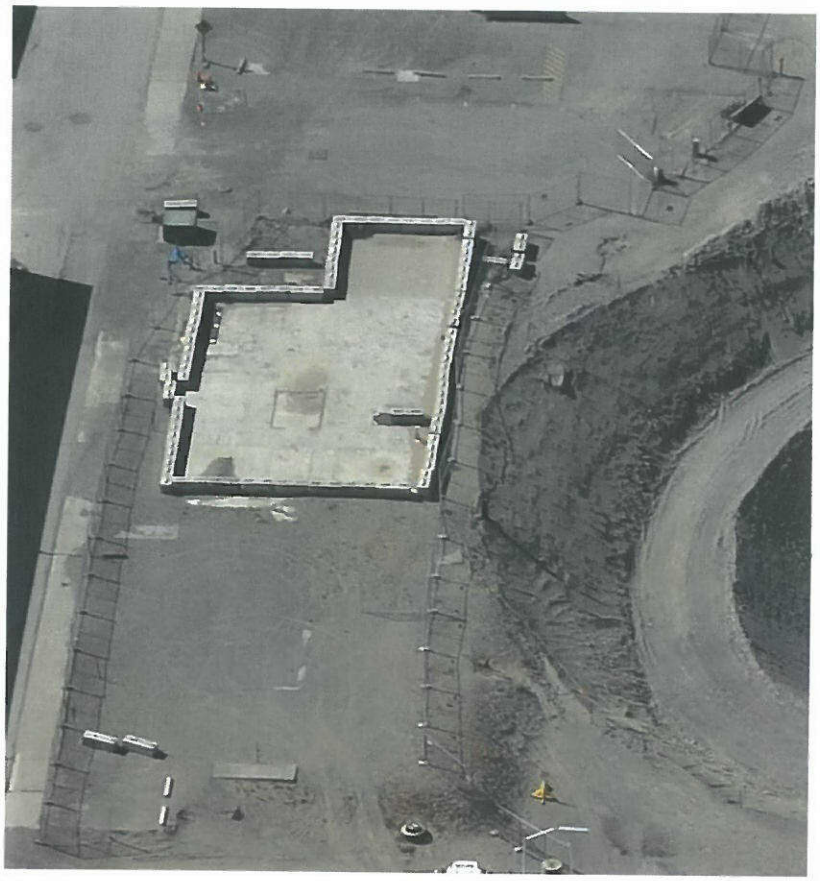
Anomalies Discovered During Demolition:

No anomalies were discovered during the below-grade of 3701D. No soil staining within the excavation was observed and surveys of the remaining basement structure identified no radiological contamination. The balance of basement and excavation were backfilled with clean fill material.

Attachment 2: Project Photographs

Photograph 1: 3701D as it appeared in 1981, looking northwest.

Photograph 2: Aerial photograph of 3701D, looking south on July 12, 2013.



Photograph 3: 3701D basement looking south on August 1, 2013

Photograph 4: 3701D following backfill, looking south on August 6, 2013

Attachment 3: 3701D Basement Radiological Survey Record

RADIOLOGICAL SURVEY RECORD

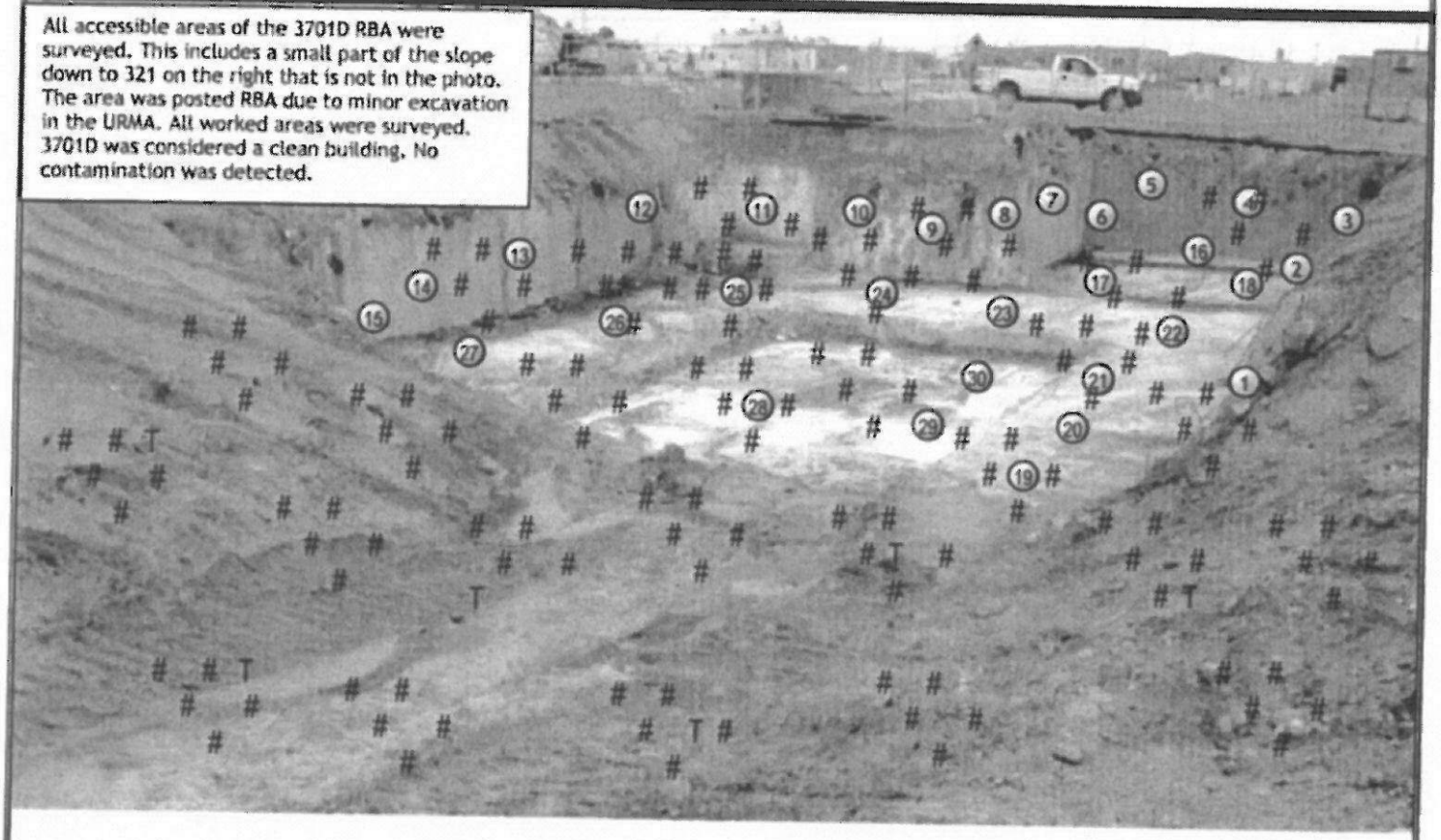
Type of Survey			Survey #
☐ Routine	☒ Work Progress		RSR – 300PS-13-3193
RWP # / Rev. #	Date	Time	Location
NA	8-1-2013	1330	300PS/ 3701D

Description 3701D RBA Downpost

References: (e.g., SRTA, ASER, LASER, RSP, Work Package)

TA-07-SR-10/14

All accessible areas of the 3701D RBA were surveyed. This includes a small part of the slope down to 321 on the right that is not in the photo. The area was posted RBA due to minor excavation in the URMA. All worked areas were surveyed. 3701D was considered a clean building. No contamination was detected.



CA Contamination Area | HCA High Contamination Area | RBA Radiological Buffer Area | ARA Airborne Radioactivity Area | [AS] Air Sample Location | RMA Radioactive Materials Area | RA Radiation Area | HRA High Radiation Area | VHRA Very High Radiation Area

O Technical Smear | # Direct | M Large Area Wipe | T Transferable | General Area Dose Rates =Uncorrected Meter Reading (mR/hr) | All radiation readings are γ dose rates in units of mR/hr unless otherwise indicated | Contact 30 cm | N Neutrons (mRem/hr) | Δ Micro Rem (μR/hr) | SCA Soil Contamination Area | Radiological Boundary x—s—x

Instruments

Model	ID #	Cal Due Date	Model	ID #	Cal Due Date
2360 / 43-93	SCLL8-0133 / DTLLP-0244	3-29-14 / 3-29-14	NA	NA	NA
2360 / 43-93	SCLL8-0003 / DTLLP-0101	3-14-14 / 3-14-14	NA	NA	NA
NA	NA	NA	NA	NA	NA

RCT Name/Signature/Date:

D MATSON / / 8-1-2013

S HOMI / / 8-1-2013

RCT Supervisor Name/Signature/Date:

J. McNeel 8/5/13

RCT signature indicates portable instruments checked IAW RC-300-2.1

RADIOLOGICAL SURVEY RECORD

Survey # RSR -300PS-12-3193

Contamination Measurement Information[1]

Circled values indicate Removable β contamination in mrad/hr β

No.	Description of Item or Location	Removable (dpm/100 cm^2)				Total (dpm/100 cm^2)			
		α	α C-F	β–γ	β–γ C-F	α	α C-F	β–γ	β–γ C-F
1-15	Smears on the basement walls	<20	7	<1K	10	NA	NA	NA	NA
16-30	Smears on the floor	<20	7	<1K	10	NA	NA	NA	NA
T, #	All directs and transferrables	<20	7	<1K	10	<500	7	<5K	10
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

[1] Unless stated otherwise in the "References" section, exempted β-γ (i.e., C-14, Fe-55, Ni-59, Ni-63, Se-79, Tc-99, Pd-107, Eu-155) contamination levels are ≤ 10 times the β-γ contamination levels shown above.

Corrected Dose Rate Calculations

Show all work. CF = 1 unless noted.

Location	Contact Readings		30 cm Readings	
	β (mrad/hr) (WO-WC) X CF = DR	γ (mR/hr) WC X CF = DR	β (mrad/hr) (WO-WC) X CF = DR	γ (mR/hr) WC X CF = DR
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA

Attachment 4: EPA Concurrence to Leave the 3701D Basement in Place

Strand, Christopher P

Subject: FW: 3701-D Asbestos Work Review

From: Gadbois, Larry [mailto:Gadbois.Larry@epa.gov]
Sent: Tuesday, April 23, 2013 10:44 AM
To: Guercia, Rudolph F
Cc: Strand, Christopher P
Subject: RE: 3701-D Asbestos Work Review

DOE (and in effect DOE's contractors) is responsible for remedial/removal design that complies with the Work Plan. Based on the information in the email messages below, EPA approves the proposal for 3701-D.
--Larry--

From: Strand, Christopher P [mailto:cpstrand@wch-rcc.com]
Sent: Tuesday, April 23, 2013 9:57 AM
To: Gadbois, Larry; Guercia, Rudolph F
Subject: RE: 3701-D Asbestos Work Review

Larry,

Are you ok with the proposal below to leave the balance of basement in place once cleaned out, provided we demonstrate appropriate "cleanliness"? This would include leaving the external ACM mastic barrier as Category II material. We've done this before with EPA concurrence and within the context of meeting 300-FF-2 RAGs, the RDR allows non-friable ACM to remain in place on non-regulated piping. This would be a functionally equivalent action.

Thanks,

Chris
554-2720

From: Gadbois, Larry [mailto:Gadbois.Larry@epa.gov]
Sent: Tuesday, April 23, 2013 9:36 AM
To: Pavitt, John
Cc: Guzzetti, Christopher; Guercia, Rudolph F; Strand, Christopher P; Faulk, Dennis A
Subject: RE: 3701-D Asbestos Work Review

John, thank you for your timely review of this project plan.

From: Pavitt, John
Sent: Tuesday, April 23, 2013 9:34 AM
To: Strand, Christopher P; Faulk, Dennis
Cc: Guzzetti, Christopher; Gadbois, Larry; Guercia, Rudolph F
Subject: RE: 3701-D Asbestos Work Review

Chris, thank you for your e-mail describing the site inspection and asbestos test results from Building 3701-D.

Your work plan to abate friable materials, leave Category I and Category II nonfriable materials in place, and to dispose of all debris as asbestos-containing waste is consistent with the asbestos NESHAP regulations.

Please call me if you have any questions about this response.